

## PVRC NEWSLETTER - AUGUST 2000

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### PVRC CALENDAR

#### Weekly Wed

BWI Regional weekly breakfast. Wednesdays 7:30 am,  
Basil's Deli, Elkridge Landing Rd near BWI.

#### Monthly

Over-the-Hill Luncheon. Date to be announced.

Aug 12 Sat

Fowlfest at W3YOZ park.

Aug 19 Sat

NC picnic: 3pm at K2AV QTH, 2628 US Hwy 64 W, Apex, NC

Sep 7 Thu

PVRC/NC meeting at Ryans.

Sep 11 Mon

Central meeting. First meeting after summer recess

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We regret to inform you that Richard P. Scott, W3EFZ (ex-K4JQA) of Long Boat Key, FL became a silent key. Dick was a member of PVRC. Hew was instrumental in setting up the Diplomatic Telecommunications System that allowed American Embassies to communicate with Washington. (Tnx info K3ZO)  
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### JOINT NCDXA/PVRC FOWLFEET TO BE SATURDAY, AUGUST 12TH

It's Fowlfest time!. The joint PVRC and NCDXA meeting will be hosted again by Marty, W3YOZ, at his "park" near Annapolis. Festivities start at noon on Saturday, August 12, with BBQ chicken and drinks. Some folks may bring the optional salad, dessert or other munchies. Everybody should bring a big appetite! Directions:

>From Bridge: I-95/I-495 to MD Route 4 (PA Ave. South/East); turn off at MD Route 258 (Bristol/Deale); take 258 to MD Route 256; turn left and go to Rodgers Road; turn right, go to gravel road on left, turn left; go to 1062 sign

turn right and go to picnic grounds at the water's edge.  
From U.S. DC Beltway/50: Take Beltway to Route 50; take Route 50 east; after crossing Patuxent River the next turnoff is MD Route 424 (Davidsonville Road); take 424 and continue until it dead ends at MD Route 2; turn right, go 200 feet and turn left on Mill Swamp Road; continue to MD Route 468 (Muddy Creek Road); turn right on 468 and to MD Route 256 (look for Smith's Building Supply); turn right on MD Route 256 and continue to Rodgers Road (first left after the Churchton Post Office); turn left on Rodgers Road, go to gravel road on left; turn left, go to 1062 sign, turn right and go to water's edge.

>From I-97: Take I-97 South to MD Route 665 (Allen Blvd.); take 665 to MD Route 2; take Route 2 south to Mill Swamp Road (first left after Route 424 on right); take Mill Swamp Road to MD Route 468 and follow the directions above.

SWVA CHAPTER 6/16/00 MINUTES by Jerry Haislip, K1SO

Members of the PVRC - Southwest Virginia Contest Group gathered at the Western Sizzler in Christiansburg, VA, on June 16, 2000, for a dinner meeting at 6:00 p.m. local time.

John/K4IQ presided and the following members were present; K1GG/Gordon, N4GU/Mike, K4EP/Philip, KC9LC/Randy, W4JAM/John, W0MAN/Susanne and K1SO/Jerry. Two guest were also present at dinner, Randall Nealy/W4IQ, from Myrtle Beach, SC, now working in Blacksburg, VA, at Virginia Tech and Ross Shake/KF4TRT, from Christiansburg, son of KC9LC/Randy.

After dinner the group moved to the campus of Virginia Tech (VT for those of us around the area) for a continuation of the meeting (we were also joined by N4EL/Nat who did not make the dinner). A most interesting talk and demonstration was given by N4GU/Mike Barts from the VT Antenna Group. Mike covered in his program, Antenna ranges - 250 MHz - 40 GHz, and how the VTAG does analysis of antennas for many things we all use today in business and most any kind of wireless communications. We also got to see the Anechoic Chamber and Mike and Randall/W4IQ gave a demo on an antenna pattern on a small yagi. Mike also talked about NEC and antenna modeling which was very interesting from the amateur standpoint, in that we can get the software from the world wide web (Public Domain). So doing antenna modeling for our own systems was an exciting new part of Ham radio. The entire group enjoyed the tour of the Virginia Tech Research Antenna Lab and thanks Mike and Randall for the invitation to visit.

A discussion was held on Dayton, out of the group present the follow attended the 2000 Hamvention in Dayton, Ohio.

K4IQ, K1GG, KC9LC, N4GU, N4EL, K1SO, so the PVRC-Southwest Contest Group was well represented in Dayton 2000.

There was some talk of trying to attend as a group the Open House at W4MYA's this summer. John/K4IQ would send out an e-mail on the details. Also the possibility of have a Summer Cook Out for the PVRC-SW bunch. More details to follow via radio and e-mail. Also don't forget to stop by the Roanoke Valley Hamfest on August 5, 2000 and join the PVRC-SW Group for a meeting.

The group then concluded the great meeting and returned to their home.

NW REGIONAL MEETING MINUTES 6/20/00 by Greg Altig, NK3R  
([\[email protected\]](#))

In attendance were members NK3R, W8ZA, N4MM, K2UOP, K8OQL, K3IXD, WD3A, and guest N8UM.

Business: Greg announced his desire to turn the reigns of the Northwest Region over to some other poor sap, er, uh, I mean some other fine, upstanding member. The silence was deafening from those in attendance, so I turn to our readers in the region. Any volunteers?

>From the introductions: W8ZA, Bob, has added two AL-800H amps to his shack. The 40m beams are down with the third element added. Just waiting for the weather to improve to get them off the ground.

N4MM, John, played a little in the VHF contest, but his time and effort was limited due to QRM from W4RX. He was a CQ DX Hall of Fame inductee at Dayton (Congrats, John!). He also announced the July 1 start of the 15m separate band DXCC, and the soon to be added 12m and 17m awards.

K2UOP, Tom, hosted K8OQL for WPX CW and thanked Jerry for the points. He picked up a new Icom 746 and a bunch of junk he doesn't know what to do with. Tom's score was down for the June VHF contest, only 95K.

□K3IXD, Ed, did the VHF contest from home after receiving help from KC3VO to solve the neighbor's TVI problem which was present in every electronic device you could imagine. He will be at the W3AO super station for FD.

ND3A, Tom, has been slacking lately with only 3 Qs in the VHF contest (and 2/3 of those with K3MQH, and about the same level of effort in WPX CW.

K8OQL, Jerry, was more proud of his 15 lbs of cherries he picked than he was of the 1228 Qs and 500+ mults he amassed

with Tom in WPX CW.

N8UM, John, announced his is going to be in our area for a while from his home in Tennessee and wants to operate any contest, anywhere, anytime. He would love to operate VHF rover. He also told us he will take any of our FT1000 MP "cast offs" now that we are all (?) getting Mark Vs. Meeting adjourned....

#### WINNER OF THE PVRC \$1000 SCHOLARSHIP IS ANNOUNCED

Brian Brandt, N3JQW of Gibsonia, PA was chosen as the winner of the \$1000 PVRC scholarship. The PVRC scholarship is among 74 scholarships that the FAR administered this year.

Brian is 22 and a senior at West Virginia University, where he is majoring in Mechanical Engineering and expects to receive his BSME in May 2001. Licensed since 1991, he earned his extra class license in October of 1999. In addition, he is also an accredited Volunteer Examiner for the ARRL. Brian's amateur radio interests are participating in contests, including Field Day and the PA QSO Party, and performing public service through the Amateur Radio Emergency Service. He most recently participated in FD 2000 and the Wings Over Pittsburgh special event station.  
[A photo appears in the paper edition.]

#### JUNE MEETING MINUTES by Brian McGinness, N3OC, Pres.

The annual June summer meeting was held at the QTH of W3LPL on Saturday, June 17, 2000.

The meeting was convened at 3pm by Brian, N3OC. Members attending were: K6LEW, WA0QII, W2YE, K3ZO, W3KX, W4VC, W3AZ, WB3AVN, K3GV, N3GB, K3SA, W3MR, KM3V, AJ3M, WF3J, W3FA, W8ZA, N3OC, K4VV, N3NRS (THAT'S W3NRS IN DISGUISE), K1HTV, AD3F, W3AZD, WB3ANE, W3EKT, W3XE, W2BZR, KG7H, K6IR, KC3VO, W3OQ, K8OQL, W3ZZ, N1WR, K3DSP, WR3Z, W0CN, N3FX, WZ3AR, N3FZB, K3DI, K2YWE, K3IXD, N3KTV, N3UN, K3MLA, N3II, W3CP, N3RR, KD4G, K3UG, WR3L, K3WX, N3EYB, W8JVP, K3MQH, N3UM, K1DQV. Visitors included YCCC President Don K2KQ, Ted KR1G, and Mr. 160 himself Jeff K1ZM.

N3OC gave the president's report. The remaining summer meetings include W4MYA on July 22 in central Virginia, and the W3YOZ fowlfest on August 12, in southern Anne Arundel County, Maryland. PVRC lost SS to NCCC this year by only 100,000 points. Several of had various reasons for being down last year, including SS CW being the weekend after CQWW SSB last year. So lets work out our schedules now, and plan on putting in the best effort you can this November and we can easily re-capture the gavel.

N3OC presented ED, K3DNE the club competition gavel for the 1999 VHF SS. Congratulations, Ed! There are remaining gavels to be awarded for 98 SS, 98 10M, and 98 160M. As soon as we research who has never won a gavel before, we will get them out. I would prefer to present gavels at the annual Christmas dinner, but since these are so old I want to get them out right away.

Jack, K4VV gave the VP's report. After highly successful visits from N6BT and ON4UN, we have booked Jay, WX0B to come to a special meeting sometime this summer and give us a presentation on stacks and arrays. Jay is very busy during contest season, so we have to get him when we can. N3KTV gave a brief update on the PVRC Force 12 discount purchase. See the newsletter for details, or contact Jim.

There were three new members attending their second meeting to be voted in. The first was Ben Bradley, W4FQT, of Oakton, Virginia. Ben is an NCDXA member and is sponsored by K4VV. The next applicant was Ken Irish, W8JVP, of Oakton, Virginia. Ken has a small station and is sponsored by K4VV. The third was Richard Hambly, W2GPS, of Saverna Park, Maryland. Rich won the FD class 2B a few years ago, and is sponsored by K3SKE. All three were voted in to membership. Welcome to PVRC!

One item of old business was the by-law change on the table from last month.

Article III, Section 2 was changed to:

"The officers shall be elected by a majority vote of the members present attending the election meeting of each region. The president, vice-president, secretary and treasurer serve for one year or until their successors are elected. The term of each office shall begin on January 1."

Article III, Section 3 was changed to:

"No member shall hold more than one office at a time. No member shall be eligible to serve more than three consecutive terms as president or president."

There was no new business, and the meeting was adjourned at 3:30pm.

VICE PRESIDENT'S COMMENTS by Jack Hammett, K4VV

The Force 12 Project is in its final stage as 10 of the 14 orders have been shipped since July 20 at this writing on July 27. I saw an email today that N4ZR did receive his order. The remaining four orders are in production,

according to Alissa at Force 12. Our members ordered seventeen antennas and many accessories. Tom Schiller, N6BT at Force 12 gave our order a priority to shorten the normal 4 to 5 week lead time, and the antennas are being shipped direct to each person. Thanks again to Jim Horton, N3KTV for doing the work to lead the Force 12 Project so effectively for the membership.

[Tom N6BT Photo by W3TMZ Only in the paper edition]

These new antennas and other upgrades that members are making may help us increase our competitiveness in the coming contest season if we help one another with installations and show up in a determined way to build our scores.

My wife is dealing with some major medical challenges and I am with her at Johns Hopkins. I did not accomplish the timely coordination with Jay, WX0B to schedule a date in August for his presentation, and he is now committed through 2000. We will work to pick a date in 2001. Jay says his talk "will only get better by then."

I want to express my great respect for the the leadership of many of our key members who set the pace and give us the example and the mentoring of station building and operating skills to drive the monentum of PVRC success.

#### NOTES FROM THE EDITOR, K3DI

The May issue of this Newsletter was a first -- the first issue where the advertising income exceeded the total cost of production. We had 2 1/4 pages of advertising.

K3DI has German postage for sale. Four 80 pf, seven 200 pf, and five 300 pf at current exchange rate or discounted for all.

Roanoke Valley Hamfest & Computer Show is scheduled on August 5, 2000 - 9 AM to 3 PM - William Byrd High School - Washington Avenue, Vinton, VA. \$6 at the door.

Rich (KE3Q) and Amy (W3AMY) Boyd are parents of Hunter (6 pounds) and Emma (5 lbs 9 oz) born at 11:10 and 11:13 PM July 3rd. Babies, mother, and even dad are reported as doing FB.

Bill Hider, N3RR, received the "Top Gun" award in the CQWW 'phone contest by contacting V26B on all six bands. Of the seven to do so, Bill was the first single operator. W3CF donated the plaque.

## MARYLAND-DC (MDC) QSO PARTY

The MDC QSO Party, sponsored by Antietam Radio Assoc, 16Z Aug 12 to 04Z Aug 13 and 16Z Aug 13 to 23Z Aug 13, phone and CW (CW in subband/no cross mode). Work stations once per band/mode. Portable/mobiles in new county can be reworked. No packet, repeater, or net QSOs. MDC stations work everyone, others work only MDC. Exchange QTH and category (Club, QRP, Mobile, Novice/Tech, or Standard). CW: 3.643 3.701 7.035 7.126 14.040 21.115 28.040; ph: 3.920 7.230 14.268 21.370 28.380 50.150 (VHF/UHF on CW/ph also).

Counts: mobile=5, QRP=4, CW RTTY ATV=3, & others=1. Final is QSO points times each different mults (MD counties + Balto City + DC is 25 max). MDC stations include states/provinces/DXCC countries. Many awards. A certificate for 50+ QSOs. Club competition. Send logs by Sept 1 to: Antietam Radio Association, PO Box 52, Hagerstown, MD 21741-0052. Details: <http://www.qsl.net/w3cwc/mdcqso.htm>.

PVRC OTH JULY MEETING by Andy Andersen, W3XE.

The July meeting of the Over-the-hill group was hosted by W3AZ at the Best Western in Oxon Hill. Ten of the Tired and Retired met at the Holiday Inn in College Park for a little lunch and conversation. Frank, W3LPL was full of stories about Scandinavia and the land of the mid-night sun. Jim, W3CP managed some time off from NRL. Next was Fred, K3ZO who is already planning on another trip to Thailand. Bill, W3AZ is still resisting email but he had a lot of good antenna information. On the other side of the river we had Dale, W4DM who manages to attend meetings in the summer when Florida gets to hot. Our Virginia host, Ben, AA4XU was there and will have the August meeting on his side of the river. Ken, K6IR was on the other side of the table. If you aren't on his email list for stories you might give it a try as most of them are 4-0. We had a newcomer who has just retired from the work force and is getting ready to put up and either buster antenna -- he is Andy, N7BG who is a retired pilot. Hugh, W3ABC claims that he isn't doing anything but you can bet the FAR Scholarship program is bigger and better than ever. To round out the mighty group was your host for July. Jack, W3TMZ has fled to Florida. Larry, W3GN was in Michigan while Tony, K3WX was out giving a lecture on RF Safety. If you are from out of town and are coming here for a visit contact one of the OTH Hosts and we might put a "Welcome Aboard" Party on for you.

## S C O R E S

\* \* Changes/additions/deletions

to W2GG via email or packet \* \*

\* EMAIL: [\[email protected\]](#) \*

### = missing information

CQ WPX CW (FINAL - 07/06/2000)

CALL PWR BAND QSO MULTS SCORE

\* SINGLE OP - UNASSISTED

K3ZO	C	1775	653	3,505,957
KT3Y	C 20	1619	683	2,839,000
K8OQL	C/TS	1238	572	1,795,508
N1WR	B	1049	491	1,498,041
K4VV	C	685	415	764,845
W3DAD	B	368	244	264,252
KS4XG	B	399	238	259,182
W3PP	A 15	280	247	180,063
W3CP	B 40	219	179	150,002
AA4KD	B	254	###	119,997
K3DSP	B/R	275	188	115,432
N4MM	B/TS	152	134	55,878
WD3P	A	160	###	53,467
W3UL	C	150	123	52,275
K6ETM	B	406	122	49,532
N3UM	C/TS	143	122	45,994
NV4X	C 10	112	85	16,235

\* SINGLE OP - ASSISTED

K3KO	C	641	403	800,358
W2GG	B	630	371	630,329
W3HVQ	C	578	387	611,460
K3SA	C	553	341	507,408

\* MULTI-SINGLE

N6TV	C	###	###	256,100
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\* MULTI-MULTI

NR4M	C	4391	1021	12,149,900
NY4A	C	4576	974	11,769,816
W4MYA	C	3987	974	10,523,096
WR3L	C	2423	798	5,053,734

\* DXPEDITIONS

V25A	C	4478	891	12,213,828
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A = QRP

B = LOW POWER

C = HIGH POWER

TS = TRIBANDER + SINGLE ELEM 160-40

BR = BAND RESTRICTED



R = ROOKIE

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- - - - -
 27 LOGS CW TOTAL      66,281,689
 39 LOGS SSB TOTAL    100,029,406
 64  GRAND TOTAL      166,311,095
- - - - -
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OPERATORS:

K8OQL from K2UOP QTH  
N6TV K3NA plus 2 non-PVRC  
NR4M K4EC K4GMH K4ZW K1SE K4EU  
WA4JUK NR4M RA3AUU K7SV  
NV4X W4ZV  
NY4A N4AF W2CS N4CW K2AV  
V25A N3OC plus 1 non-PVRC  
W4MYA W4DR W4HJ WA4QDM WK4Y  
WU4G W4MYA  
WR3L WR3L WR3Z K3FT AA3SC  
N3NT KA3TUL

SELECTED RESULTS OF THE WRTC

The World Radiosport Team Championship 2000 was held in Slovenia as part of the IARU conest on July 8th and 9th. The top three teams were:

S584M by K1TO and N5TJ  
S587N by RA3AUU and RV1AW  
S582A by K1DG and K1AR.

PVRCer Eric Scace, K3NA with N6TV participated in the contest as S571W. Eric sent your editor more than two dozen JPG photo files which will be checked for selected inclusions in future Newsletters.

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39 coax types,  
and 5 balanced lines

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W3AO PVRC/CARA FD RESULTS EDITED FROM INFO SUPPLIED BY KE3Q  
& K3RA

The Potomac Valley Radio Club (PVRC) with the Columbia  
Amateur Radio Association (CARA) operated FD under the call  
W3AO. PVRC had operated before with CARA so it was a  
natural progression to invite them, particularly since they  
wanted to launch a 160m balloon and do satellite. The goal  
was to beat three all time records; (1) number of  
transmitters, (2) high total score, and (3) number of QSO/s.

Setup began at 1800Z on Friday for a 24 hour operation. It  
was a Class A entry (club portable) in Tolchester, MD with  
38 transmitters thanks to VHF to "light" transmitters  
provided by W3EKT and the K3MQH gang as well as K6LEW and  
the W8GP gang and 40 operators using a 15 kW generator  
provided by K6LEW. The Tolchester site, is a marvelous one,  
allowing 12 AB-577 40 foot towers to be erected side by side  
along the edge of a 40 foot cliff overlooking the Chesapeake  
Bay. The take off to the U.S. is over 8 miles of salt  
water! Thanks to Rich, KE3Q's, Dad and his neighbors for  
permission to use this wonderful site (thanks Forrest and  
Gloria for your hospitality) monoband beams were erected  
for all eight band modes 40 through 10 plus 10 meter  
novice--thanks to W3LPL for beams for 20 through 10 and all  
that cable! The novice call was W3AMY, amy Boyd, Mrs. KE3Q.  
Amy put in a lot of time on the novice band, even through  
she was due to deliver twins in just a week! (All doing  
fine.)

The claimed bonus points included all emergency power, media  
publicity, public access location, info booth, message to SM  
(and some relays), W1AW FD message, a demo of ATV, satellite

QSO, and natural power QSO. Here are the number of Q's per band and mode.

	cw	digi	ph
160	33	0	24
80	452	0	744
40	1040	5	1096
20	918	112	1668
15	657	11	1244
10	287	0	918
6	5	0	166
2	14	0	44
222	2	0	4
432	2	0	11
1.2G	0	0	2

Totals:

CW 3411  
Dig 128  
Ph 6369 (448 Nov)  
QSOs 9908  
Score 26,895 +bonus =31,544

While the entire list of 40 is too long to publish, the band captains were:

160 AI3M AND N3AC  
80 SSB K2PLF CW KD4D  
40 SSB W3ZZ CW KE3Q  
20 SSB W3LPL CW K3RA  
15 SSB K3MM CW W2GG  
10 SSB K3MQH  
10 CW AI3M (& wife LIZ, the cook)  
RTTY K3UG  
vhf+ W3EKT

[Photo by Elaine, N3PQW- only in the paper editon]

And special thanks to N3KTV, who was "LAUNCH CONTROL" for organizing the erection of the 12 rocket launcher towers; and WA3CVG who handled the computer system. Very special recognition to two guys who were instrumental even though they had to cancel out at the last minute--K3UT who built a beautiful AC power interface for the generator, and N3OC who supplied the entire RTTY station, computer, and tower. Now let's compare the results to their goal to beat three all time records.

(1) Thirty-eight transmitters beat the prior record of 28 by N1FD, and squeaked by the VA3RAC team who achieved 35 this year. Use of filters and careful placement of antennas side by side along a single 1000 foot line was key to

minimizing interference between stations.

(2) The total score of 31,544 beat a old score of 30,150. This was tough because the old score was done with QRP which has a 5X multiplier instead of X2 with 150W.

(3) But, the 9,908 QSO's did not beat the record of 11,201 set in 1981 by W2RQ. The W2RQ operation used 1 kW stations but had relatively lower score because their multiplier was 1X.

RoI is already starting plans to do a better job next year and beat all goals especially the QSO record which will be 20 years old next year. He says the most difficult task this year was to have 40 operators on site to operate every transmitter position simultaneously to qualify as a 38A category, and to keep all of the HF position manned. So please keep the last full weekend in June of 2001 reserved for next year's PVRC shot at owning all FD records! You can help by being there, or working the station on as many bands as possible--K3DI worked W3AO on 21 band/modes this year.

Additional pictures taken at the W3AO site can be found in the CARA Newsletter at <http://www.qsl.net/cara/> and Bob Dannals' page at <http://homepage.mac.com/w2gg/>.

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Dick's lifetime address is [\[email protected\]](#)